

**Practice Test Answer and Alignment Document**  
**Science: Grade 5**  
**Online**

**Section 1**

Item Number	Answer Key	Performance Expectation
1.	D	5-LS2-1
2.	D	5-LS2-1
3.	D, E	5-LS2-1
4.	D	5-LS1-1
5.	B	5-LS1-1
6.	Refer to Grade 5 Science Scoring Rubric	5-LS2-1
7.	B	3-PS2-3
8.	C	3-PS2-3
9.	The arrow pointing [down] identifies the direction of the force of gravity on the paper clips.	5-PS2-1
10.	The type of force for Trial 1 is: Attract The type of force for Trial 2 is: Attract The type of force for Trial 3 is: Repel The type of force for Trial 4 is: Repel	3-PS2-3
11.	D	3-PS2-3
12.	Refer to Grade 5 Science Scoring Rubric	3-PS2-3

## Section 2

Item Number	Answer Key	Performance Expectation
1.	C	4-ESS1-1
2.	A	4-ESS1-1
3.	The sentence should read: The students concluded that Calvert Cliffs at one time was [an ocean] environment because of the fossil evidence from [marine organisms].	3-LS4-1
4.	B	3-LS4-1
5.	The sentence should read: The students' diagram of rock layers containing fossils provides evidence that the organisms in layer 3 lived [after] the organisms in layer 2 and lived [before] the organisms in layer 6.	4-ESS1-1
6.	Refer to Grade 5 Science Scoring Rubric	3-LS4-1
7.	A, B, C	5-PS1-4
8.	<b>Part 1:</b> B <b>Part 2:</b> A, B	5-PS1-3
9.	The property associated with "Shine a Light on the Material" is: Reflectivity The property associated with "Scratch the Surface of the Material" is: Hardness The property associated with "Place the Material on a Balance" is: Mass	5-PS1-3
10.	A, E	5-PS1-4

Item Number	Answer Key	Performance Expectation
11.	<p>“Qualitative Data” includes:</p> <ul style="list-style-type: none"> <li>1) magnifying glass</li> <li>2) microscope</li> </ul> <p>“Quantitative Data” includes:</p> <ul style="list-style-type: none"> <li>1) balance</li> <li>2) graduated cylinder</li> <li>3) thermometer</li> </ul> <p>Answers can be in any order in each box.</p>	5-PS1-4
12.	Refer to Grade 5 Science Scoring Rubric	5-PS1-4

## Section 3

Item Number	Answer Key	Performance Expectation
1.	B	4-ESS3-1
2.	A, C, E	4-ESS3-1
3.	C	4-ESS3-1
4.	The sentence should read: The student determined that a hydroelectric dam would have a positive effect on the environment because it would use resources that [are readily available] but would have a <u>negative</u> effect on [aquatic animals].	5-ESS3-1
5.	<b>Part 1:</b> B, C, E <b>Part 2:</b> A	4-ESS3-1
6.	Refer to Grade 5 Science Scoring Rubric	5-ESS3-1
7.	The sentences should read: In the diagrams, the first stage of an insect's life cycle starts as [an egg]. The cricket develops into an adult from [a nymph].	3-LS1-1
8.	Life-cycle stages "Not Present in Both Insects" are: 1) Larva 2) Nymph 3) Pupa Life-cycle stages "Present in Both Insects" are: 1) Adult 2) Egg	3-LS1-1
9.	A, B, D	3-LS1-1
10.	B	4-LS1-2
11.	D	4-LS1-2
12.	Refer to Grade 5 Science Scoring Rubric	4-LS1-2

## Section 4

Item Number	Answer Key	Performance Expectation
1.	B	4-ESS3-1
2.	B, C, F	4-ESS3-1
3.	D	4-ESS3-1
4.	Number of metric tons of carbon dioxide not emitted: 16,500 Equivalent to emissions from how many cars: 2,500	5-ESS3-1
5.	B	5-ESS3-1
6.	Refer to Grade 5 Science Scoring Rubric	4-ESS3-1
7.	B, D, E	3-LS4-3
8.	C	3-LS4-3
9.	The animals selected as <u>most likely</u> to survive are: 1) Polar Bear 2) Husky Dog	3-LS4-3
10.	D	3-LS2-1
11.	D	3-LS2-1
12.	Refer to Grade 5 Science Scoring Rubric	3-LS2-1